INDEX TO VOLUME 41

PROCEEDINGS OF THE ACADEMY AND AFFILIATED SOCIETIES

Anthropological Society of Washington. 307.

Washington Academy of Sciences. 48, 115, 148, 238.

AUTHOR INDEX

ABBOTT, DONALD P. *Bostrichobranchus digonas*, a new molgulid ascidian from Florida. 302.

ABBOTT, R. TUCKER. New stenothyrid gastropods from the Philippines (Rissoidae). 14.

——— and LADD, H. S. A new brackish-water gastropod from Texas (Amnicolidae: Littoridina). 335.

———. See also REHDER, HARALD. 22.

ALLARD, H. A. *Dinoponera gigantea* (Perty), a vicious stinging ant. 88.

ARCHER, W. ANDREW. See JENKINS, ANNA E. 66.

BARTSCH, PAUL. More urocoptid mollusks from Mexico. 146.

BAYER, FREDERICK M. A revision of the nomenclature of the Gorgoniidae (Coelenterata: Octocorallia), with an illustrated key to the genera. 91.

———. Two new primnoïd corals of the subfamily Calyptrophorinae (Coelenterata: Octocorallia). 40.

BEHLE, WILLIAM H., and SELANDER, ROBERT J. The systematic relationships of the fox sparrows (*Passerella iliaca*) of the Wasatch Mountains, Utah, and the Great Basin. 364.

BERKELEY, E. and C. A second record of the polychaetous annelid *Potamethus elongatus* (Treadwell). 333.

BIGELOW, HENRY B., and SCHROEDER, WILLIAM C. Three new skates and a new chimaerid fish from the Gulf of Mexico. 383.

———. A new genus and species of anacanthobatid skate from the Gulf of Mexico. 110.

BITANCOURT, A. A. See JENKINS, ANNA E. 66.

BLAKE, DORIS H. New species of chrysomelid beetles of the genera *Trirhabda* and *Disonycha*. 324.

BURLEY, GORDON. See KRACEK, F. C. 373.

CAMPBELL, T. N. Medicinal plants used by Choctaw, Chickasaw, and Creek Indians in the early nineteenth century. 285.

CARR, LLOYD G. K. Interesting animal foods, medicines, and omens of the eastern Indians, with comparisons to ancient European practices. 229.

CHACE, FENNER A., JR. The grass shrimps of the genus *Hippolyte* from the west coast of North America. 35.

———. The number of species of decapod and stomatopod Crustacea. 370.

CAUSEY, NELL B. New cleidogonid millipeds (Chordeumoidea). 78.

CHALKLEY, H. W. See CORNFIELD, JEROME. 226.

CLARK, AUSTIN H. The brittle-stars of the United States Navy Antarctic Expedition 1947–48. 26.

CLARKE, J. F. GATES. A new genus and species of North American Olethreutidae (Lepidoptera: Laspeyresiinae). 46.

———. New species of Gelechiidae from Argentina (Lepidoptera). 140.

———. New species of Olethreutidae from Argentina. 296.

COE, WESLEY R. Geographical distribution of the nemerteans of the northern coast of the Gulf of Mexico as compared with those of the southern coast of Florida, with descriptions of three new species. 328.

COOPER, G. ARTHUR. New brachiopods from the Lower Cambrian of Virginia. 4.

——— and MUIR-WOOD, HELEN M. Brachiopod homonyms. 195.

CORNFIELD, JEROME, and CHALKLEY, HAROLD W. A problem in geometric probability. 226.

CURTIN, PHILIP D. A survey of new archeological sites in central Pataz, Peru. 49.

DALQUEST, WALTER W. Six new mammals from the state of San Luis Potosí, Mexico. 361.

DAVENPORT, DESMOREST. See LOOMIS, H. F. 270.

DEXTER, RALPH W. See SPECK, FRANK G. 250.

DRAKE, CARL J. New American chinch bugs (Hemiptera: Lygaeidae). 319.

DUNKLE, DAVID H. New Western Hemisphere occurrences of fossil selachians. 344.

DURBIN, CHARLES G., and HONESS, RALPH F. A new roundworm, *Nematodirus rufaevastitatis* (Nematoda: Trichostrongylidae), from domestic sheep, *Ovis aries*, in Wyoming. 179.

EMERSON, WILLIAM K. A new scaphopod mollusk, *Cadulus austinclarki*, from the Gulf of California. 24.

FRIEDMANN, HERBERT. Dedication [to Austin Hobart Clark issue). 1.

GARDNER, JULIA. Two new guide fossils from the Tallahatta formation of the Southeastern States. 8.

GRYC, GEORGE, PATTON, W. W., JR., and PAYNE, T. G. Present Cretaceous stratigraphic nomenclature of northern Alaska. 159.

GWILLIAM, G. F. See HAND, CADET. 206.

HAAS, VICTOR H. Disaster and disease, 277.

HACKMAN, ROBERT J. See SOLECKI, RALPH S. 85.

HACSKAYLO, EDWARD. A study of the roots of *Pinus virginiana* in relation to certain Hymenomycetes suspected of being mycorrhizal. 399.

HAND, CADET, and GWILLIAM, G. F. New distributional records for two athecate hydroids, *Cordylophora lacustris* and *Candelabrum* sp., from the west coast of North America, with revisions of their nomenclature. 206.

HEYL, PAUL R. The limitations of the principle of superposition, II. 149.

HOBBS, HORTON H., JR. A new crayfish of the genus *Procambarus* from Louisiana, with a key to the species of the *Spiculifer* group. 272.

HOFFMAN, RICHARD L. The diplopod family Campodesmidae (Polydesmida). 209.

HONESS, RALPH F. See DURBIN, CHARLES G. 179.

HUMES, ARTHUR G., and WILSON, MILDRED STRATTON. The last copepodid instar of *Diatomus sanguineus* Forbes (Copepoda). 395.

ILLG, PAUL L. A new genus and species of notodelphyoid copepod from Japan. 30.

JENKINS, ANNA E., BITANCOURT, A. A., SILBERSCHMIDT, K., and ARCHER, W. ANDREW. Peter Wilhelm Lund's pequi tree at Lagoa Santa and pilgrimages to his cemetery. 66.

JOHNSTON, FRANCIS E. The theory of group representations. 117.

KENG, HSÜAN. New or critical Euphorbiaceae from eastern Asia. 200.

KRACEK, F. C., NEUVONEN, K. J., and BURLEY, GORDON. Thermochemistry of mineral substances, I: A thermodynamic study of the stability of jadeite. 373.

KRISHNASWAMY, K. Notes on the undescribed males of two species of Copepoda. 75.

LADD, H. S. See ABBOTT, R. TUCKER. 335.

LLANO, GEORGE A. A contribution to the lichen flora of Alaska. 196.

LOOMIS, H. F., and DAVENPORT, DEMOREST. A luminescent new xystodesmid milliped from California. 270.

MACNEIL, F. STEARNS. *Nucula austinclarki*, n. sp., a concentrically sculptured *Nucula* from the Lisbon formation of Alabama. 12.

MILLER, ROBERT RUSH, and WINN, HOWARD ELLIOTT. Additions to the known fish fauna of of Mexico: Three species and one subspecies from Sonora. 83.

MITRINOVITCH, D. S. On an equation of Neményi and Truesdell. 129.

MORRISON, J. P. E. Two new Western Atlantic species of pulmonate mollusks of the genus *Detracia* and two old ones (family Ellobiidae). 17.

MORTON, C. V. A new fern of the genus *Danaea* from Colombia. 276.

MUIR-WOOD, HELEN M. See COOPER, G. A. 195.

NEUVONEN, K. J. See KRACEK, F. C. 373.

NICOL, DAVID. A new species of glyeymerid from the Philippines. 20.

———. Recent species of the cyrenoid pelecypod *Glossus*. 142.

———. Recent species of the veneroid pelecypod *Arctica*. 102.

OTEIFA, BAKIR A. Effects of potassium nutrition and amount of inoculum on rate of reproduction of *Meloidogyne incognita*. 393.

PATE, CHESTER H. Information theory. 245.

PATTON, W. W., JR. See GRYC, GEORGE. 159.

PAYNE, T. G. See GRYC, GEORGE. 159.

PETTIBONE, MARIAN H. A new species of polychaete worm of the family Polynoidae from Point Barrow, Alaska. 44.

PITELKA, FRANK A. Race names in the Central American jay, *Cyanolyca argentigula*. 113.

PRATT, HARRY D. *Ficalbia minima* (Theobald) in South Indochina, with descriptions of the larva and pupa (Diptera: Culicidae). 300.

REEDER, JOHN R. A new species of *Poa* from Peru. 295.

REHDER, HARALD A., and ABBOTT, R. TUCKER. Two new Recent cone shells from the Western Atlantic (Conidae). 22.

RIOUX, MARCEL. Some medical beliefs and practices of the contemporary Iroquois Longhouses of the Six Nations Reserve. 152.

ROSS, HERBERT H. Phylogeny and biogeography of the caddisflies of the genera *Agapetus* and *Electragapetus* (Trichoptera: Rhyacophilidae). 347.

SAVAGE, JAY M. Studies on the lizard family Xantusiidae, II: Geographical variation in *Xantusia riversiana* from the Channel Islands of California. 357.

SCHAEFFER, CLAUDE E. Was the California condor known to the Blackfoot Indians? 181.

SCHMITT, W. L. [Biographical Résumé, of Austin Hobart Clark.] 3.

SCHROEDER, W. C. See BIGELOW, H. B. 110, 383.

SCHULTZ, LEONARD P., and SIMÕES DE MENEZES, RUI. A new anchovy of the genus *Anchoviella* from the Poti and Parnaiba Rivers of Brazil. 235.

———. See also WELANDER, ARTHUR D. 107.

SELANDER, R. K. See BEHLE, WILLIAM H. 364.

SILBERSCHMIDT, K. See JENKINS, ANNA E. 66.

SILSBEE, FRANCIS B. Measure for measure: Some problems and paradoxes of precision. 213.

SIMÕES DE MENEZES, RUI. See SCHULTZ, LEONARD P. 235.

SOHN, I. G. Check list of salinity tolerance of post-Paleozoic fossil Ostracoda. 64.

SOLECKI, RALPH S. and HACKMAN, ROBERT J. Additional data on the Denbigh Flint Complex in northern Alaska. 85.

SOULE, JOHN D. Two new species of incrusting ctenostomatous Bryozoa from the Pacific. 367.

SPECK, FRANK G., and DEXTER, RALPH W. Utilization of animals and plants by the Micmac Indians of New Brunswick. 250.

SPITZER, LYMAN, JR. The birth of stars from interstellar clouds. 309.

STAINBROOK, MERRILL A. Substitution for the preoccupied name *Hystricina*. 196.

STRIMPLE, HARRELL L. New crinoids from the Pitkin of Oklahoma, 260.

———. New Desmoinesian crinoids. 191.

———. Notes on *Phanocrinus cylindricus* and description of new species of Chester crinoids. 291.

TAWADA, SHINJUN. See WALKER, EGBERT H. 138.

TIMM, R. W. A new species of marine nematode, *Thoracostoma magnificum*, with a note on possible "pigment cell" nuclei of the ocelli. 331.

TIPTON, VERNON J. See TRAUB, ROBERT. 264.

TRAGER, GEORGE L. Linguistic history and ethnologic history in the Southwest. 341.

TRAUB, ROBERT, and TIPTON, VERNON J. *Jordanopsylla allredi*, a new genus and species of flea from Utah (Siphonaptera). 264.

WALKER, EGBERT, and TAWADA, SHINJUN. A new species of *Portulaca* from Okinawa. 138.

WEDEL, WALDO R. Notes on aboriginal pottery from Montana. 130.

WELANDER, ARTHUR D., and SCHULTZ, LEONARD P. *Chromis atripectoralis*, a new damselfish from the tropical Pacific, closely related to *C. caeruleus*, family Pomacentridae. 107.

WETMORE, ALEXANDER. Observations on the genera of the swans. 338.

WILSON, MILDRED STRATTON. A new subgenus of *Diaptomus* (Copepoda: Calanoida), including an Asiatic species and a new species from Alaska. 168.

———. See also HUMES, ARTHUR G. 395.

WINN, HOWARD ELLIOTT. See MILLER, ROBERT RUSH. 83.

SUBJECT INDEX

Archeology. Additional data on the Denbigh Flint Complex in northern Alaska. RALPH S. SOLECKI and ROBERT J. HACKMAN. 85.
A survey of new archeological sites in central Pataz, Peru. PHILIP D. CURTIN. 49.
Notes on aboriginal pottery from Montana. WALDO R. WEDEL. 130.
Astronomy. The birth of stars from interstellar clouds. LYMAN SPITZER, JR. 309.
Biography. Biographical sketch and portrait of Austin Hobart Clark. 2–3.
Botany. A contribution to the lichen flora of Alaska. GEORGE A. LLANO. 196.
A new fern of the genus *Danaea* from Colombia. C. V. MORTON. 276.
A new species of *Poa* from Peru. JOHN R. REEDER. 295.
A new species of *Portulaca* from Okinawa. EGBERT H. WALKER and SHINJUN TAWADA. 138.
A study of the roots of *Pinus virginiana* in relation to certain Hymenomycetes suspected of being mycorrhizal. EDWARD HACSKAYLO. 399.
New or critical Euphorbiaceae from eastern Asia. HSÜAN KENG. 200.
Peter Wilhelm Lund's pequi tree at Lagoa Santa and pilgrimages to his cemetery. ANNA E. JENKINS, A. A. BITANCOURT, K. SILBERSCHMIDT, and W. A. ARCHER. 66.
Entomology. A new genus and species of North American Olethreutidae (Lepidopter : Laspeyresiinae). J. F. GATES CLARKE. 46.
Dinoponera gigantea (Perty), a vicious stinging ant. H. A. ALLARD. 88.
Ficalbia minima (Theobald) in South Indochina, with descriptions of the larva and pupa (Diptera: Culicidae). HARRY D. PRATT. 300.
Jordanopsylla allredi, a new genus and species of flea from Utah (Siphonaptera). ROBERT TRAUB and VERNON J. TIPTON. 264.
New American chinch bugs (Hemiptera: Lygaeidae). CARL J. DRAKE. 319.
New species of chrysomelid beetles of the genera *Trirhabda* and *Disonycha*. DORIS H. BLAKE. 324.
New species of Gelechiidae from Argentina (Lepidoptera). J. F. GATES CLARKE. 140.
New species of Olethreutidae from Argentina (Lepidoptera). J. F. GATES CLARKE. 296.
Phylogeny and biogeography of the caddisflies of the genera *Aggpetus* and *Electragapetus* (Trichoptera: Rhyacophilidae). HERBERT H. ROSS. 347.
Ethnology. Interesting animal foods, medicines, and omens of the eastern Indians, with comparisons to ancient European practices. LLOYD G. K. CARR. 229.
Linguistic history and ethnologic history in the Southwest. GEORGE L. TRAGER. 341.
Medicinal plants used by the Choctaw, Chickasaw, and Creek Indians in the early nineteenth century. T. N. CAMPBELL. 285.
Some medical beliefs and practices of the contemporary Iroquois Longhouses of the Six Nations Reserve. MARCEL RIOUX. 152.
Utilization of animals and plants by the Micmac Indians of New Brunswick. FRANK G. SPECK and RALPH W. DEXTER. 250.
Was the California condor known to the Blackfoot Indians? CLAUDE E. SCHAEFFER. 181.
Geology. Present Cretaceous stratigraphic nomenclature of northern Alaska. GEORGE GRYC, W. W. PATTON, JR., and T. G. PAYNE. 159.
Helminthology. A new roundworm, *Nematodirus rufaevastitatis* (Nematoda: Trichostrongylidae), from domestic sheep, *Ovis aries*, in Wyoming. CHARLES G. DURBIN and RALPH F. HONESS. 179.
Herpetology. Studies of the lizard family Xantusiidae, II: Geographical variation in *Xantusia riversiana* from the Channel Islands of California. JAY M. SAVAGE. 357.
Ichthyology. Additions to the known fish fauna of Mexico: Three species and one subspecies from Sonora. ROBERT RUSH MILLER and HOWARD ELLIOTT WINN. 83.
A new anchovy of the genus *Anchoviella* from the Poti and Parnaiba Rivers of Brazil. LEONARD P. SCHULTZ and RUI SIMÕES DE MENEZES. 235.
A new genus and species of anacanthobatid skate from the Gulf of Mexico. HENRY B. BIGELOW and WILLIAM C. SCHROEDER. 110.
Chromis atripectoralis, a new damselfish from the tropical Pacific, closely related to *C. caeruleus*, family Pomacentridae. ARTHUR D. WELANDER and L. P. SCHULTZ. 107.
Three new skates and a new chimaerid fish from the Gulf of Mexico. HENRY B. BIGELOW and WILLIAM C. SCHROEDER. 383.
Malacology. A new brackish-water gastropod from Texas (Amnicolidae: Littoridina). R. T. ABBOTT and H. S. LADD. 335.
A new scaphopod mollusk, *Cadulus austinclarki*, from the Gulf of California. WILLIAM K. EMERSON. 24.
A new species of glycymerid from the Philippines. DAVID NICOL. 20.
More new urocoptid mollusks from Mexico. PAUL BARTSCH. 146.
New stenothyrid gastropods from the Philippines (Rissoidae). R. TUCKER ABBOTT. 14.
Recent species of the cyrenoid pelecypod *Glossus*. DAVID NICOL. 142.
Recent species of the veneroid pelecypod *Arctica*. DAVID NICOL. 102.
Two new Recent cone shells from the Western Atlantic (Conidae). HARALD A. REHDER and R. TUCKER ABBOTT. 22.
Two new Western Atlantic species of pulmonate mollusks of the genus *Detracia* and two old ones (family Ellobiidae). J. P. E. MORRISON. 17.
Mammalogy. Six new mammals from the state of San Luis Potasí, Mexico. WALTER W. DALQUEST. 361.
Mathematics. A problem in geometric probability. JEROME CORNFIELD and HAROLD W. CHALKLEY. 226.

Mathematics. Information theory. CHESTER H. PAGE. 25.

On an equation of Neményi and Truesdell. D. S. MITRINOVITCH. 129.

The theory of group representations. FRANCIS E. JOHNSTON. 117.

Medicine. Disaster and disease. V. H. HAAS. 277.

Nematology. Effects of potassium nutrition and amount of inoculum on rate of reproduction of *Meloidogyne incognita*. B. A. OTEIFA. 393.

Ornithology. Observations on the genera of the swans. ALEXANDER WETMORE. 338.

Race names in the Central American jay, *Cyanolyca argentigula*. FRANK A. PITELKA. 113.

The systematic relationships of the fox sparrows (*Passerella iliaca*) of the Wasatch Mountains, Utah, and the Great Basin. W. H. BEHLE and R. K. SELANDER. 364.

Paleontology. Brachiopod homonyms. G. ARTHUR COOPER and HELEN M. MUIR-WOOD. 195.

Check list of salinity tolerance of post-Paleozoic fossil Ostracoda. I. G. SOHN. 64.

New brachiopods from the Lower Cambrian of Virginia. G. ARTHUR COOPER. 4.

New crinoids from the Pitkin of Oklahoma. HARRELL L. STRIMPLE. 260.

New Desmoinesian crinoids. HARRELL L. STRIMPLE. 191.

New Western Hemisphere occurrences of fossil selachians. DAVID H. DUNKLE. 344.

Notes on *Phanocrinus cylindricus* and description of new species of Chester crinoids. HARRELL L. STRIMPLE. 291.

Nucula austinclarki, n. sp., a concentrically sculptured *Nucula* from the Lisbon formation of Alabama. F. STEARNS MACNEIL. 12.

Substitution for the preoccupied name *Hystricina*. MERRILL A. STAINBROOK. 196.

Two new guide fossils from the Tallahatta formation of the Southeastern States. JULIA GARDNER. 8.

Petrology. Thermochemistry of mineral substances, I: A thermodynamic study of the stability of jadeite. F. C. KRACEK, K. J. NEUVONEN, and GORDON BURLEY. 373.

Physics. Measure for measure: Some problems and paradoxes of precision. F. B. SILSBEE. 213.

The limitations of the principle of superposition: II. PAUL R. HEYL. 149.

Zoology. A luminescent new xystodesmid milliped from California. H. F. LOOMIS and DEMOREST DAVENPORT. 270.

A new crayfish of the genus *Procambarus* from Louisiana, with a key to the species of the *Spiculifer* group. H. H. HOBBS, JR. 272.

Zoology. A new genus and species of notodelphyoid copepod from Japan. PAUL L. ILLG. 30.

A new species of marine nematode, *Thoracostoma magnificum*, with a note on possible "pigment cell" nuclei of the ocelli. R. W. TIMM. 331.

A new species of polychaete worm of the family Polynoidae from Point Barrow, Alaska. MARIAN H. PETTIBONE. 44.

A new subgenus of *Diaptomus* (Copepoda: Calanoida), including an Asiatic species and a new species from Alaska. MILDRED STRATTON WILSON. 168.

A revision of the nomenclature of the Gorgoniidae (Coelenterata: Octocorallia), with an illustrated key to the genera. FREDERICK M. BAYER. 91.

A second record of the polychaetous annelid *Potamethus elongatus* (Treadwell). E. and C. BERKELEY. 333.

Bostrichobranchus digonas, a new molgulid ascidian from Florida. D. P. ABBOTT. 302.

Geographical distribution of the nemerteans of the northern coast of the Gulf of Mexico as compared with those of the southern coast of Florida, with descriptions of three new species. WESLEY R. COE. 328.

New cleidogonid millipeds (Chordeumoidea). NELL B. CAUSEY. 78.

New distributional records for two athecate hydroids, *Cordylophora lacustris* and *Candelabrum* sp., from the west coast of North America, with revisions of their nomenclature. CADET HAND and G. F. GWILLIAM. 206.

Notes on the undescribed males of two species of Copepoda. S. KRISHNASWAMY. 75.

The brittle-stars of the United States Navy Antarctic Expedition 1947–48. AUSTIN H. CLARK. 26.

The diplopod family Campodesmidae (Polydesmida). RICHARD L. HOFFMAN. 209.

The grass shrimps of the genus *Hippolyte* from the west coast of North America. FENNER A. CHACE, JR. 35.

The last copepodid instar of *Diaptomus sanguineus* Forbes (Copepoda). ARTHUR G. HUMES and MILDRED S. WILSON. 395.

The number of species of decapod and stomatopod Crustacea. F. A. CHACE, JR. 370.

Two new primnoïd corals of the subfamily Calyptrophorinae (Coelenterata: Octocorallia). FREDERICK M. BAYER. 40.

Two new species of incrusting ctenostomatous Bryozoa from the Pacific. J. D. SOULE. 367.